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AMENDMENT
Docket No. WALs-102

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please cancel Claims 1-4 and 6, without prejudice or disclaimer; amend Claims 5, 7, 9-11, 15, 17-20, 22-23, and 25-29; and add new Claims 83-95 as follows:

1-4. (Canceled)

5. (Currently Amended) An animal feed supplement [[which includes]] comprising fish meal as a source of omega 3 long chain fatty acids for inclusion in the diet of [[said]] an animal;

wherein, the omega 3 long chain fatty acids are increased to a level which maximises the nutritional value of [[the]] a food produce from said animal by increased level of long chain omega 3 fatty acids but without taint of said food produce;

wherein [[the percentage of]] the feed supplement is greater than 5% of the total dietary intake of the animal and [[wherein the supplement produces]] supplies the long chain fatty acids [[Decosahexaenoic]] Docosahexaenoic Acid (DHA), Docosapentaenoic acid (DPA) and Eicosapentaenoic acid (EPA) in the food produce; and

wherein the [[animal]] food produce is pork, poultry meat, lamb, eggs, beef or farmed fish.

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6. (Canceled)

7. (Currently Amended) An animal feed supplement for inclusion in the diet of an animal to maximise the level of long chain omega 3 fatty acids in the animal produce and without taint of the produce; wherein the supplement includes a blend of fish meal, an oil based premix, a drymix premix, and a water based green tea extract,

wherein the fish meal, oil based premix, drymix premix and water based green tea extract are blended in the following proportions:

	<u>kg</u>	<u>%</u>
Fish Meal	983.00	98.300
Oil based premix	10.00	1.000
Dry mix Premix	5.00	0.500
Water [[based]] <u>based</u> infused green tea extract	<u>2.00</u>	<u>0.200</u>
	<u>1000.00</u>	<u>100.000</u> .

8. (Original) An animal feed supplement according to claim 7 wherein the oil based premix comprises a blend of the following ingredients;

Ethoxyquin vitamin grade
Crude palm oil
Aniseed China Star
Rosemary oil
Thyme white oil
Peppermint oil
Benzoic Acid
Phosphoric Acid 81 %
Crude Canola oil Carrier.

9. (Currently Amended) An animal feed supplement according to claim 8 wherein the constituents of the oil based premix per [[tonne]] ton of a food base are blended in the following proportions;

		kg	%
1	Ethoxyquin vitamin grade	0.400	4.00
2	Crude palm oil	1.500	15.00
3	Aniseed China Star	0.067	0.67
4	Rosemary oil	0.100	1.00
5	Thyme white oil	0.100	1.00
6	Peppermint oil	0.150	1.50
7	Benzoic Acid	0.005	0.05
8	Phosphoric Acid 81%	0.250	2.50
9	Crude Canola oil Carrier[[.]]	<u>7.428</u>	<u>74.28</u>
		<u>10.000</u>	<u>100.00</u> .

10. (Currently Amended) An animal feed supplement according to claim 9 wherein the drymix premix comprises a blend of the following ingredients;

Vitamin E 50
Vitamin C
Citric Acid
Propyl Gallate
Calcium Propionate
Wheat Meal Carrier,

11. (Currently Amended) An animal feed supplement according to claim 10 wherein the constituents of the drymix premix per [[tonne]] ton of food base are blended in the following proportions;

		kg	%
10	Vitamin E 50	0.800	16.00
11	Vitamin C	0.500	10.00
12	Citric Acid	0.500	10.00

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13	Propyl Gallate	0.100	2.00
14	Calcium Propionate	0.500	10.00
15	Wheat Meal Carrier	<u>2.600</u>	<u>52.00</u>
		<u>5.000</u>	<u>100.00</u>

12. (Original) An animal feed supplement according to claim 11 wherein the Vitamin C and Citric Acid are scavenger antioxidants.

13. (Original) An animal feed supplement according to claim 12 wherein the percentage of supplement is greater than 5% of the total dietary intake of the animal.

14. (Original) An animal feed supplement according to claim 13 wherein the percentage of feed supplement is 15% of the total diet of the animal.

15. (Currently Amended) An animal feed supplement according to claim 14 wherein the supplement supplies the long chain fatty acids [[Decosahexaenoic]] Docosahexaenoic Acid (DHA), Docosapentaenoic acid (DPA) and Eicosapentaenoic acid (EPA).

16. (Original) An animal feed supplement according to claim 15 wherein the animal produce is pork, poultry meat, lamb, eggs, beef or farmed fish.

17. (Currently Amended) An animal feed supplement according to claim 83 [[for inclusion in the diet of an animal to maximise the level of long chain omega 3 fatty acids in the animal produce and without taint of the produce;

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wherein the supplement includes a blend of fish meal, an oil based premix, a drymix premix, water based green tea extract]]

wherein the [[fish]] tuna meal, oil based premix, and drymix premix [[and water based green tea extract are collectively formed from]] include the following constituents;

Tuna Meal
Ethoxyquin vitamin grade
Crude palm oil
Aniseed China Star
Rosemary oil
Thyme white oil
Peppermint oil
Benzoic Acid
Phosphoric Acid 81%
Crude Canola oil Carrier[.]
Vitamin E 50
Vitamin C
Citric Acid
Propyl Gallate
Calcium Propionate
[[Water based green tea extract]]
Wheat Meal Carrier.

18. (Currently Amended) An animal feed supplement [[according to claim 17]] for feeding to animals to maximise the level of long chain omega 3 fatty acids in animal produce and without taint of the produce;

wherein the feed supplement comprises tuna meal, an oil based premix, and a drymix premix [[wherein the supplement constituents are]] blended in the following proportions [[proportions]] per [[tonne]] ton of food base:

	<u>kg</u>	<u>%</u>
Tuna Meal	[[983.000	98.300]]
	<u>985.000</u>	<u>98.500</u>

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Ethoxyquin vitamin grade	0.400	0.040
Crude palm oil	1.500	0.150
Aniseed China Star	0.067	0.007
Rosemary oil	0.100	0.010
Thyme white oil	0.100	0.010
Peppermint oil	0.150	0.015
Benzoic Acid	0.005	0.001
Phosphoric Acid 81%	0.250	0.025
Crude Canola oil Carrier[.]	7.428	0.743
Vitamin E 50	0.800	0.080
Vitamin C	0.500	0.050
Citric Acid	0.500	0.050
Propyl Gallate	0.100	0.010
Calcium Propionate	0.500	0.050
[[Water based green tea extract	2.00	0.200]]
Wheat Meal Carrier	<u>2.600</u>	<u>0.260</u>
	<u>1000.000</u>	<u>100.00</u>

19. (Currently Amended) An animal feed supplement for inclusion in
 [[the]] a diet of an animal to maximise the level of omega 3 fatty acids in [[the]]
 animal produce and without taint of the produce;

wherein the supplement includes [[fish]] tuna meal, an oil based premix and
 a drymix premix blended from the following constituents;

Tuna Meal
 Ethoxyquin vitamin grade
 Crude palm oil
 Rosemary oil
 Thyme white oil
 Peppermint oil
 Benzoic Acid
 Phosphoric Acid 81%
 Crude Canola oil Carrier[.]
 Vitamin E 50
 Vitamin C
 Citric Acid

Propyl Gallate

20. (Currently Amended) An animal feed supplement according to claim 19; wherein the tuna meal, oil based premix and drymix premix are blended from the following constituents and relative proportions;

	%
Tuna Meal (containing 11%-13% oil)	98.500
Ethoxyquin vitamin grade	0.040
Crude palm oil	0.150
Rosemary oil	0.010
Thyme white oil	0.010
Peppermint oil	0.015
Benzoic Acid	0.001
Phosphoric Acid 81%	0.025
Crude Canola oil Carrier[.]	0.743
Vitamin E 50	0.080
Vitamin C	0.050
Citric Acid	0.050
Propyl Gallate	0.010

21. (Original) An animal feed supplement according to claim 20 wherein the supplement further comprises the following constituent proportions;

	%
Vanillic Crystals	0.013
Aniseed China Star	0.007
Calcium Propionate	0.050
Wheat Meal	0.260.

22. (Currently Amended) A method of feeding animals for use as food produce [[for human consumption]] using a fish meal based food supplement such that the food produce from said animals has a maximised level of long chain

omega 3 fatty acids yet is free from taint; wherein the method comprises the steps of:

- a) selecting constituents for a fish meal supplement comprising fish meal, an oil based premix, and a dry mix premix [[and water based green tea extract,
 - b) preparing the dry mix premix and oil based premix;
 - c)]] b) blending the constituents in predetermined proportions of the supplement;
 - [[d) selecting additives for the supplement for forming a feed supplement appropriate to the stage of development of the animal to which the supplement is fed,
 - e) blending the additives with the fish meal, dry mix premix, oil based premix and water based green tea extract;]] and
 - c) feeding said animals with the supplement;
- wherein the supplement is within the range of 5%-20% of the animal's total diet.

23. (Currently Amended) A method of feeding animals using a fish meal based supplement [[which includes a dry mix premix, an oil based premix and a water based green tea extract wherein the supplement is]] at a level within the range of 10%-20% of the animals' total diet wherein [[the,]] the supplement includes the following active ingredients;

Tuna Meal
Ethoxyquin vitamin grade
Crude palm oil
Rosemary oil
Thyme white oil
Peppermint oil
Benzoic Acid
Phosphoric Acid 81%

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Crude Canola oil Carrier[.]
Vitamin E 50
Vitamin C
Citric Acid
Propyl Gallate

wherein the method comprises the following steps:

- a) blending the constituents in predetermined proportions of the supplement;
- [[b)] selecting additives for the supplement for forming a feed supplement appropriate to the stage of development of the animal to which the supplement is fed,
- c) blending the additives with the constituents;]] and
- [[c)]] b) feeding said animals with the supplement, such that food produce from said animals has a maximised level of long chain omega 3 fatty acids yet is free from taint.

24. (Original) A method according to claim 23 wherein the method comprises the further step prior to or after blending of the dry mix and fish meal of:

- a) preparing the ingredients of said oil based premix according to the following mixing sequence;

Crude Canola Oil
Crude Palm Oil
Phosphoric Acid 81%
Benzoic Acid
Ethoxyquin Vitamin Grade
Aniseed China Star
Rosemary Oil
Thyme White Oil
Peppermint Oil

b) high speed mixing of said ingredients to create a homogeneous stable emulsion.

25. (Currently Amended) A method according to claim 24 wherein the method includes the step prior to steps a) and b) of claim 24, preparing the ingredients according to the following steps:

- i) heating to above 50 degrees C to liquify the Crude palm oil;
- ii) heating to above 22 degrees C to liquify the Aniseed china star; and
- iii) heating to above 20 degrees C to liquify the Crude Canola Oil.

26. (Currently Amended) A method according to claim 23 comprising the further step prior to or after blending of the oil emulsion and fish meal of;

a) preparing the dry mix premix by combining the following ingredient sequence:

Wheat Meal
Vitamin E-50
Vitamin C
Citric Acid
Propyl Gallate
Calcium Propionate
Green Tea Powder
Vanillic Crystals, and

b) mixing the dry mix with the oil based premix and fish meal.

27. (Currently Amended) A method according to claim 26 wherein the Oil based premix is applied by fine spray to the [[Fish (Tuna)]] Tuna meal;
Aqueous Extraction is applied by fine spray to the Tuna meal;

wherein the dry mix is added to the Tuna meal followed by mixing [[the whole]] to produce a homogeneous blend.

28. (Currently Amended) A method according to claim 27 wherein nutritional premixes supplying vitamin and mineral requirements of particular species and stage of life cycle/development [[may be]] are included in the food supplement to satisfy the nutritional completeness of a selected supplement.

29. (Currently Amended) A method according to claim 28 wherein, the feed supplement provides a supply of long chain fatty acids [[such as DHA, DPA and EPA]].

30. (Original) A method according to claim 29 wherein, the feed supplement comprises 15% of the dietary intake of the animal.

31. (Withdrawn) An animal feed supplement which includes fish meal as a source of omega 3 long chain fatty acids and which is greater than 5% of the total dietary intake of an animal wherein the supplement includes the following composition of ingredients;

- i) a food base comprising fish meal, an oil based premix and a dry mix;
- ii) a vitamin premix;
- iii) a mineral premix;
- iv) an amino acid premix; and
- v) choline chloride.

32. (Withdrawn) An animal feed supplement according to claim 31 wherein ingredient i) is a supplement base and ingredients ii)-v) are nutritional additives.

33. (Withdrawn) A feed supplement according to claim 32 wherein the supplement is blended according to the following proportions:

PORCOMEGA*BASE-SP	970.80	97.080
VITAMIN PREMIX PV 001	2.50	0.250
MINERAL PREMIX PM 001	10.00	1.000
AMINO ACID PREMIX PAA 001	10.00	1.000
CHOLINE CHLORIDE 60%	<u>6.70</u>	<u>0.670</u>
	<u>1000.00</u>	<u>100.000</u>

34. (Withdrawn) A supplement formula according to claim 33 wherein the vitamin premix is prepared according to the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
VITAMIN A-500	500,000 IU	53.60 gm	26,800,000 IU
VITAMIN D3-500	500,000 IU	13.40 gm	6,700,000 IU
VITAMIN E-50%	500 IU	52.80 gm	26,400 IU
VITAMIN K3	1000 mg	4.02 gm	4.02 gm
THIAMINE HYDROCHLORIDE USP	892 mg	4.51 gm	4.02 gm
RIBOFLAVIN 95% F.G.	950 mg	11.28 gm	10.72 gm
PYRIDOXINE USP	823 mg	6.51 gm	5.36 gm
VITAMIN B12-SUPPLEMENT 1%	10 mg	5.36 gm	53.60 mg
NIACIN USP	990 mg	54.14 gm	53.60 mg
CALCIUM d-PANTOTHENATE USP	920 mg	34.96 gm	32.16 gm
FOLIC ACID USP	920 mg	4.37 gm	4.02 gm
D-BIOTIN SUPPLEMENT 1%	10 mg	21.44 gm	214.40 mg

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VANILLIC CRYSTALS	1000 mg	53.60 gm	53.60 gm
WHEAT MEAL CARRIER		<u>680.01 gm</u>	
		1000.00 gm	

35. (Withdrawn) A supplement formula according to claim 34 wherein the supplement base and complete feed vitamin addition are blended to provide the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
VITAMIN A-500	67,000,000 IU	10,000 IU
VITAMIN D3-500	16,750,000 IU	2,500 IU
VITAMIN E-50%	466,000 IU	69.5 IU
VITAMIN K3	10.05 IU	1.50 mg
THIAMINE HYDROCHLORIDE USP	10.05 gm	1.50 mg
RIBOFLAVIN 95% F.G.	26.80 gm	4.00 mg
PYRIDOXINE USP	13.40 gm	2.00 mg
VITAMIN B12-SUPPLEMENT 1%	134.00 mg	20.00 mcg
NIACIN USP	134.00 gm	20.00 mg
CALCIUM d-PANTOTHENATE USP	80.40 gm	12.00 mg
FOLIC ACID USP	10.05 gm	1.50 mg
D-BIOTIN SUPPLEMENT 1%	536.00 mg	80.00 mcg
CHOLINE CHLORIDE	4020.00 gm	600.00 mg
VANILLIC CRYSTALS	134.00 gm	20.00 mg

36. (Withdrawn) A supplement formula according to claim 35 wherein the mineral premix is prepared according the the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
FERROUS SULPHATE (Fe SO4.H2O)	310.0 mg	216.125 gm	67.000 gm
ZINC SULPHATE	360.0 mg	186.110 gm	67.000 gm
MANGANESE	280.0 mg	95.715 gm	26.800 gm

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SULPHATE
 (Mn SO₄.H₂O)

POTASSIUM IODIDE (STAB)	68.8 mg	0.488 gm	0.335 gm
COBALT CARBONATE	460.0 mg	0.728 gm	0.335 gm
COPPER SULPHATE	250.0 mg	335.000 gm	83.750 gm
SODIUM SELENITE	400.0 mg	0.504 gm	0.201 gm
LIMESTONE CARRIER	1000.0 mg	<u>165.330 gm</u> <u>1000.000 gm</u>	165.330 gm

37. (Withdrawn) A supplement formula according to claim 36 wherein the supplement food base and complete feed mineral addition are blended to provide the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
FERROUS SULPHATE-Fe (Fe SO ₄ .H ₂ O)	670.00 gm	100.500 mg
ZINC SULPHATE-Zn	670.00 gm	100.500 mg
MANGANESE SULPHATE-Mn (Mn SO ₄ .H ₂ O)	268.00 gm	40.200 mg
POTASSIUM IODIDE(STAB)-I	3.35 gm	0.502 mg
COBALT CARBONATE-Co	3.35 gm	0.502 mg
COPPER SULPHATE-Cu	837.50 gm	125.625 mg
SODIUM SELENITE-Se	2.01 gm	0.301 mg

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38. (Withdrawn) A supplement formula according to claim 37 wherein the supplement food base and amino acid premix is prepared according to the following composition:

PIGLET STARTER EW AMINO ACID PREMIX PAA 001

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>FORMULA</u>	<u>/Kg PREMIX</u>
l-LYSINE	6700.00 gm	670.00 gm
dl-METHIONINE	1340.00 gm	134.00 gm
THREONINE	1340.00 gm	134.00 gm
WHEAT MEAL CARRIER	<u>620.00 gm</u>	
	<u>10000.00 gm</u>	

39. (Withdrawn) A supplement formula according to claim 38 wherein the supplement base and amino acid additions are blended to provide the following composition:

<u>AMINO ACID ADDITIONS</u>	<u>/Tonne PORCOMEGA*</u>	<u>/KG COMPLETE FEED</u>
l-LYSINE	6700.00 gm	1000.00 mg
dl-METHIONINE	1340.00 gm	200.00 mg
THREONINE	1340.00 gm	200.00 mg

40. (Withdrawn) A supplement formula according to claim 39 wherein the formula is fed to piglets as a starter.

41. (Withdrawn) A supplement formula according to claim 40 wherein the supplement is blended according to the following proportions:

	<u>kg</u>	<u>%</u>
PORCOMEGA* BASE SP	970.80	97.080

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VITAMIN PREMIX PV 002	2.50	0.250
MINERAL PREMIX PV 002	10.00	1.000
AMINO ACID PREMIX PAA 002	10.00	1.000
CHOLINE CHLORIDE 60%	<u>6.70</u>	<u>0.670</u>
	<u>1000.00</u>	<u>100.000</u>

USAGE:- 150 KG PER TONNE OF PIG WEANER DIET 002.

42. (Withdrawn) A supplement formula according to claim 41 wherein the vitamin premix is prepared according to the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
VITAMIN A-500	500,000 IU	53.60 gm	26,800,000 IU
VITAMIND3-500	500,000 IU	13.40 gm	6,700,000 IU
VITAMIN E-50%	500 IU	52.80 gm	26,400 IU
VITAMIN K3	1,000 mg	4.02 gm	4.02 gm
THIAMINE	892 mg	3.00 gm	2.68 gm
HYDROCHLORIDE USP			
RIBOFLAVIN 95% F.G.	950 mg	9.87 gm	9.38 gm
PYRIDOXINE USP	823 mg	4.88 gm	4.02 gm
VITAMIN B12-			
SUPPLEMENT 1%	10 mg	4.69 gm	46.90 mg
NIACIN USP	990 mg	40.61 gm	40.20 gm
CALCIUM			
d-PANTOTHENATE USP	920 mg	34.96 gm	32.16 gm
FOLIC ACID USP	920 mg	4.37 gm	4.02 gm
D-BIOTIN SUPPLEMENT 1%	10 mg	13.40 gm	134.00 mg
VANILLIC CRYSTALS	1000 mg	53.60 gm	53.60 gm
WHEAT MEAL CARRIER		<u>700.07 gm</u>	
		<u>1000.00 gm</u>	

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43. (Withdrawn) A supplement formula according to claim 42 wherein the supplement base and complete feed vitamin addition are blended to provide the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
VITAMIN A-500	67,000,000 IU	10,000 IU
VITAMIN D3-500	16,750,000 IU	2,500 IU
VITAMIN E-50%	466,000 IU	69.5 IU
VITAMIN K3	10.05 gm	1.50 mg
THIAMINE	6.70 gm	1.00 mg
HYDROCHLORIDE USP		
RIBOFLAVIN 95% F.G.	23.45 gm	3.50 mg
PYRIDOXINE USP	10.05 gm	1.50 mg
VITAMIN B12-		
SUPPLEMENT 1%	117.25 mg	17.50 mcg
NIACIN USP	100.50 gm	15.00 mg
CALCIUM		
d-PANTOTHENATE USP	67.00 gm	10.00 mg
FOLIC ACID USP	10.05 gm	1.50 mg
D-BIOTIN SUPPLEMENT 1%	335.00 mg	50.00 mcg
CHOLINE CHLORIDE	3350.00 gm	500.00 mg
VANILLIC CRYSTALS	134.00 gm	20.00 mg

44. (Withdrawn) A supplement formula according to claim 43 wherein the mineral premix is prepared according the the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
FERROUS SULPHATE (Fe S04.H2O)	310.0 mg	216.125 gm	67.000 gm
ZINC SULPHATE	360.0 mg	186.110 gm	67.000 gm
MANGANESE SULPHATE (Mn S04.H2O)	280.0 mg	95.715 gm	26.800 gm

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POTASSIUM IODIDE(STAB)	68.8 mg	0.488 gm	0.335 gm
COBALT CARBONATE	460.0 mg	0.728 gm	0.335 gm
COPPER SULPHATE	250.0 mg	335.000 gm	83.750 gm
SODIUM SELENITE	400.0 mg	0.504 gm	0.201 gm
LIMESTONE CARRIER	1000.0 mg	<u>165.330 gm</u> <u>1000.000 gm</u>	165.330 gm

45. (Withdrawn) A supplement formula according to claim 44 wherein the supplement food base and complete feed mineral addition are blended to provide the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
FERROUS SULPHATE-Fe (Fe SO ₄ .H ₂ O)	670.00 gm	100.500 mg
ZINC SULPHATE-Zn	670.00 gm	100.500 mg
MANGANESE SULPHATE-Mn (Mn SO ₄ .H ₂ O)	268.00 gm	40.200 mg
POTASSIUM IODIDE(STAB)-I	3.35 gm	0.502 mg
COBALT CARBONATE-Co	3.35 gm	0.502 mg
COPPER SULPHATE-Cu	837.50 gm	125.625 mg
SODIUM SELENITE-Sc	2.01 gm	0.301 mg

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46. (Withdrawn) A supplement formula according to claim 45 wherein the supplement food base and amino acid premix is prepared according to the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>FORMULA</u>	<u>/Kg PREMIX</u>
l-LYSINE	6700.00 gm	670.00 gm
dl-METHIONINE	1340.00 gm	134.00 gm
THREONINE	1340.00 gm	134.00 gm
WHEAT MEAL CARRIER	<u>620.00 gm</u> <u>10000.00 gm</u>	

47. (Withdrawn) A supplement formula according to claim 46 wherein the supplement base and amino acid additions are blended to provide the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>FORMULA</u>	<u>/Kg PREMIX</u>
l-LYSINE	6700.00 gm	670.00 gm
dl-METHIONINE	1340.00 gm	134.00 gm
THREONINE	1340.00 gm	134.00 gm
WHEAT MEAL CARRIER	<u>620.00 gm</u> <u>10000.00 gm</u>	

48. (Withdrawn) A supplement formula according to claim 47 wherein the formula is fed to piglets as a weaner.

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49. (Withdrawn) An animal feed supplement formula which includes fish meal as a source of omega 3 long chain fatty acids and which is greater than 5% of the total dietary intake of an animal wherein the supplement comprises;

- i) a fish meal food base
- ii) a vitamin premix; and
- iii) a mineral premix.

50. (Withdrawn) A supplement formula according to claim 49 wherein the supplement is blended according to the following proportions:

	<u>Kg</u>	<u>%</u>
PORCOMEGA* BASE SP	987.50	98.750
VITAMIN PREMIX PV 003	2.50	0.250
MINERAL PREMIX PM 003	<u>10.00</u>	<u>1.000</u>
	<u>1000.00</u>	<u>100.000</u>

51. (Withdrawn) A supplement formula according to claim 50 wherein the vitamin premix is prepared according to the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
VITAMIN A-500	500,000 IU	53.60 gm	26,800,000 IU
VITAMIN D3-500	500,000 IU	5.36 gm	2,680,000 IU
VITAMIN E 50%	500 IU	134.00 gm	67,000 IU
VITAMIN K3	1000 mg	10.05 gm	10.05 gm
THIAMINE	892 mg	4.51 gm	4.02 gm
HYDROCHLORIDE USP			
RIBOFLAVIN 95% F.G.	950 mg	14.11 gm	13.40 gm
PYRIDOXINE USP	823 mg	4.88 gm	4.02 gm
VITAMIN B12-			
SUPPLEMENT 1%	10 mg	4.02 gm	40.20 mg

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NIACIN USP	990 mg	54.14 gm	53.60 gm
CALCIUM d- PANTOTHENATE USP	920 mg	29.13 gm	26.80 gm
FOLIC ACID USP	920 mg	2.91 gm	2.68 gm
D-BIOTIN SUPPLEMENT 1%	10 mg	53.60 gm	536.00 mg
VANILLIC CRYSTALS	1000 mg	13.40 gm	13.40 gm
WHEAT MEAL CARRIER		<u>616.29 gm</u>	
		<u>1000.00 gm</u>	

52. (Withdrawn) A supplement formula according to claim 51 wherein the supplement base and complete feed vitamin addition are blended to provide the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
VITAMIN A-500	67,000,000 IU	10,000 IU
VITAMIN D3-500	6,700,000 IU	1,000 IU
VITAMIN E-50%	167,500 IU	25.0 IU
VITAMIN K3	10.05 gm	1.50 mg
THIAMINE	10.05 gm	1.50 mg
HYDROCHLORIDE USP		
RIBOFLAVIN 95% F. G.	33.50 gm	5.00 mg
PYRIDOXINE USP	10.05 gm	1.50 mg
VITAMIN B12-		
SUPPLEMENT 1%	75.00 mg	15.00 mcg
NIACIN USP	134.00 gm	20.00 mg
CALCIUM d-		
PANTOTHENATE USP	67.00 gm	10.00 mg
FOLIC ACID USP	6.70 gm	1.00 mg
D-BIOTIN SUPPLEMENT 1%	134.00 mg	200.00 mcg
CHOLINE CHLORIDE	2010.00 gm	300.00 mg
VANILLIC CRYSTALS	33.50 gm	5.00 mg

53. (Withdrawn) A supplement formula according to claim 52 wherein the mineral premix is prepared according the the following composition:

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<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
FERROUS SULPHATE (Fe SO ₄ .H ₂ O)	310.0 mg	216.125 gm	67.000 gm
ZINC SULPHATE	360.0 mg	186.110 gm	67.000 gm
MANGANESE SULPHATE (Mn SO ₄ .H ₂ O)	280.0 mg	95.715 gm	26.800 gm
POTASSIUM IODIDE(STAB)	68.8 mg	0.488 gm	0.335 gm
COBALT CARBONATE	460.0 mg	0.728 gm	0.335 gm
COPPER SULPHATE	250.0 mg	13.400 gm	3.350 gm
SODIUM SELENITE	400.0 mg	0.251 gm	0.101 gm
LIMESTONE CARRIER	1000.0 mg	<u>487.183 gm</u> <u>1000.000 gm</u>	

54. (Withdrawn) A supplement formula according to claim 53 wherein the supplement food base and complete feed mineral addition are blended to provide the following composition;

<u>COMPOSITION</u> <u>INGREDIENTS</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
FERROUS SULPHATE-Fe (Fe SO ₄ .H ₂ O)	670.00 gm	100.500 mg
ZINC SULPHATE-Zn	670.00 gm	100.500 mg
MANGANESE SULPHATE-Mn (Mn SO ₄ .H ₂ O)	268.00 gm	40.200 mg
POTASSIUM IODIDE(STAB)-I	3.35 gm	0.502 mg

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COBALT CARBONATE-Co	3.35 gm	0.502 mg
COPPER SULPHATE-Cu	33.50 gm	5.000 mg
SODIUM SELENITE-Se	1.01 gm	0.150 mg

55. (Withdrawn) A supplement formula according to claim 50 wherein the formula is fed to pigs as a breeder supplement.

56. (Withdrawn) A supplement formula according to claim 55 wherein the supplement is 15% of the total diet of the animal.

57. (Withdrawn) A supplement formula for an animal which includes fish meal as a source of omega 3 long chain fatty acids and which is greater than 5% of the total dietary intake of the animal wherein the supplement includes the following constituents:

- i) a foods base including fishmeal;
- ii) a vitamin premix;
- iii) a mineral premix; and
- iv) choline chloride.

58. (Withdrawn) A supplement formula according to claim 57 wherein ingredient i) is a supplement base and ingredients ii)-iv) are nutritional additives.

59. (Withdrawn) A supplement according to claim 58 wherein the constituents are blended in the following proportions;

	<u>kg</u>	<u>%</u>
PORCOMEGA* BASE SP	984.15	98.415

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VITAMIN PREMIX PV 004	2.50	0.250
MINERAL PREMIX PM 004	10.00	1.000
CHOLINE CHLORIDE 60%	<u>3.35</u>	<u>0.335</u>
	<u>1000.00</u>	<u>100.000</u>

60. (Withdrawn) A supplement formula according to claim 59 wherein the vitamin premix is prepared according to the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
VITAMIN A-500	500,000 IU	53.60 gm	26,800,000 IU
VITAMIN D3-500	500,000 IU	5.36 gm	2,680,000 IU
VITAMIN E-50%	500 IU	134.00 gm	67,000 IU
VITAMIN K3	1000 mg	10.05 gm	10.05 gm
THIAMINE	892 mg	4.51 gm	4.02 gm
HYDROCHLORIDE USP			
RIBOFLAVIN 95% F. G.	950 mg	14.11 gm	13.40 gm
PYRIDOXINE USP	823 mg	4.88 gm	4.02 gm
VITAMIN B12-	10 mg	4.02 gm	40.20 gm
SUPPLEMENT 1%			
NIACIN USP	990 mg	54.14 gm	53.60 gm
CALCIUM d-			
PANTOTHENATE USP	920 mg	29.13 gm	26.80 gm
FOLIC ACID USP	920 mg	2.91 gm	2.68 gm
D-BIOTIN SUPPLEMENT 1%	10 mg	53.60 gm	536.00 mg
VANILLIC CRYSTALS	1000 mg	13.40 gm	13.40 gm
WHEAT MEAL CARRIER		<u>616.29 gm</u>	
		<u>1000.00 gm</u>	

61. (Withdrawn) A supplement formula according to claim 60 wherein the supplement base and complete feed vitamin addition are blended to provide the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
VITAMIN A-500	67,000,000 IU	10,000 IU
VITAMIN D3-500	6,700,000 IU	1,000 IU

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VITAMIN E-50%	167,500 IU	25.0 IU
VITAMIN K3	10.05 gm	1.50 mg
THIAMINE HYDROCHLORIDE USP	10.05 gm	1.50 mg
RIBOFLAVIN 95% F.G.	33.50 gm	5.00 mg
PYRIDOXINE USP	10.05 gm	1.50 mg
VITAMIN B-12 SUPPLEMENT 1%	75.00 mg	15.00 mcg
NIACIN USP	134.00 gm	20.00 mg
CALCIUM d- PANTOTHENATE USP	67.00 gm	10.00 mg
FOLIC ACID USP	6.70 gm	1.00 mg
D-BIOTIN SUPPLEMENT 1%	134.00 mg	200.00 mcg
VANILLIC CRYSTALS	33.50 gm	5.00 mg

62. (Withdrawn) A supplement formula according to claim 61 wherein the mineral premix is prepared according the the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
FERROUS SULPHATE (Fe SO ₄ .H ₂ O)	310.0 mg	216.125 gm	67.000 gn
ZINC SULPHATE	360.0 mg	186.110 gm	67.000 gn
MANGANESE SULPHATE (Mn SO ₄ .H ₂ O)	280.0 mg	95.715 gm	26.800 gn
POTASSIUM IODIDE (STAB)	68.8 mg	0.488 gm	0.335 gn
COBALT CARBONATE	460.0 mg	0.728 gm	0.335 gn
COBALT SULPHATE	250.0 mg	13.400 gm	3.350 gn
SODIUM SELENITE	400.0 mg	0.251 gm	0.101 gn
LIMESTONE CARRIER	1000.0 mg	<u>487.185 gm</u> <u>1000.000 gm</u>	

63. (Withdrawn) A supplement formula according to claim 62 wherein the supplement food base and complete feed mineral addition are blended to provide the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
FERROUS SULPHATE-Fe (Fe SO ₄ .H ₂ O)	670.00 gm	100.500 mg
ZINC SULPHATE-Zn	670.00 gm	100.500 mg
MANGANESE SULPHATE-Mn (Mn SO ₄ .H ₂ O)	268.00 gm	40.200 mg
POTASSIUM IODIDE (STAB)-I	3.35 gm	0.502 mg
COBALT CARBONATE-Co	3.35 gm	0.502 mg
COPPER SULPHATE-Cu	33.50 gm	5.000 mg
SODIUM SELENITE-Se	1.01 gm	0.150 mg

64. (Withdrawn) A supplement formula according to claim 63 wherein the formula is fed to pigs as a lactating supplement.

65. (Withdrawn) A supplement formula according to claim 64 wherein the supplement is 15% of the total diet of the animal.

66. (Withdrawn) A supplement formula for an animal which includes fish meal as a source of omega 3 long chain fatty acids and which is greater than 5% of the total dietary intake of the animal wherein the supplement includes the following constituents:

- i) a foods base including fishmeal;
- ii) a vitamin premix;
- iii) a mineral premix.

67. (Withdrawn) An animal feed supplement according to claim 31 wherein ingredient i) is a supplement base and ingredients ii) -iii) are nutritional additives.

68. (Withdrawn) A supplement formula according to claim 67 wherein the constituents are blended in the following proportions;

	<u>kg</u>	<u>%</u>
PORCOMEGA* BASE SP	987.50	97.080
VITAMIN PREMIX PV 005	2.50	0.250
MINERAL PREMIX PM 005	<u>10.00</u>	<u>1.000</u>
	<u>1000.00</u>	<u>100.000</u>

69. (Withdrawn) A supplement formula according to claim 70 wherein the vitamin premix is prepared according to the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
VITAMIN A-500	500,000 IU	40.20 gm	20,100,000 IU
VITAMIN D3-500	500,000 IU	8.04 gm	4,020,000 IU
VITAMIN E-50%	500 IU	53.60 gm	26,800 IU
VITAMIN K3	1000 mg	2.68 gm	2.68 gm
THIAMINE	892 mg	3.00 gm	2.68 gm
HYDROCHLORIDE USP			
RIBOFLAVIN 95% F.G.	950 mg	7.05 gm	6.70 gm

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PYRIDOXINE USP	823 mg	4.88 gm	2.68 gm
VITAMIN B12- SUPPLEMENT 1%	10 mg	2.68 gm	26.80 mg
NIACIN USP	990 mg	27.07 gm	26.80 gm
CALCIUM d- PANTOTHENATE USP	920 mg	23.30 gm	21.44 gm
FOLIC ACID USP	920 mg	1.46 gm	1.34 gm
D-BIOTIN SUPPLEMENT 1%	10 mg	13.40 gm	134.00 mg
VANILLIC CRYSTALS	1000 mg	6.70 gm	6.70 gm
WHEAT MEAL CARRIER		<u>880.40 gm</u>	
		<u>1000.00 gm</u>	

70. (Withdrawn) A supplement formula according to claim 69 wherein the supplement base and complete feed vitamin addition are blended to provide the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
VITAMIN A-500	50,250,000 IU	7,538 IU
VITAMIN D3-500	10,050,000 IU	1,508 IU
VITAMIN E-50%	67,000 IU	10 IU
VITAMIN K3	6.70 gm	1.00 mg
THIAMINE HYDROCHORIDE USP	6.70 gm	1.00 mg
RIBOFLAVIN 95% F.G.	16.75 gm	2.51 mg
PYRIDOXINE USP	6.70 gm	1.00 mg
VITAMIN B12-SUPPLEMENT 1%	67.00 mg	10.05 mcg
NIACIN USP	67.00 gm	10.05 mg
CALCIUM d-PANTOTHENATE USP	53.60 gm	8.04 mg
FOLIC ACID USP	3.35 gm	0.05 mg
D-BIOTIN SUPPLEMENT 1%	335.00 mg	50.25 mcg
VANILLIC CRYSTALS	16.75 gm	2.51 mg

71. (Withdrawn) A supplement formula according to claim 70 wherein the mineral premix is prepared according the the following composition:

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<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
FERROUS SULPHATE (Fe SO ₄ .H ₂ O)	310.0 mg	216.125 gm	67.000 gm
ZINC SULPHATE	360.0 mg	186.110 gm	67.000 gm
MANGANESE SULPHATE (Mn SO ₄ .H ₂ O)	280.0 mg	95.715 gm	26.800 gm
POTASSIUM IODIDE(STAB)	68.8 mg	0.488 gm	0.335 gm
COBALT CARBONATE	460.0 mg	0.728 gm	0.335 gm
COPPER SULPHATE	250.0 mg	13.400 gm	3.350 gm
SODIUM SELENITE	400.0 mg	0.251 gm	0.101 gm
LIMESTONE CARRIER	1000.0 mg	<u>487.183 gm</u> <u>1000.000 gm</u>	487.183 gm

72. (Withdrawn) A supplement formula according to claim 71 wherein the supplement food base and complete feed mineral addition are blended to provide the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
FERROUS SULPHATE-Fe (Fe SO ₄ .H ₂ O)	670.00 gm	100.500 mg
ZINC SULPHATE-Zn	670.00 gm	100.500 mg
MANGANESE SULPHATE-Mn (MN SO ₄ .H ₂ O)	268.00 gm	40.200 mg
POTASSIUM IODIDE(STAB)-I	3.35 gm	0.502 mg

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COBALT CARBONATE-Co	3.35 gm	0.502 mg
COPPER SULPHATE-Cu	33.50 gm	5.025 mg
SODIUM SELENITE-Se	1.01 gm	0.151 mg

73. (Withdrawn) A supplement formula according to claim 72 wherein the formula is fed to pigs as a grower supplement.

74. (Withdrawn) A supplement formula according to claim 73 wherein the supplement is 15% of the total diet of the animal.

75. (Withdrawn) A supplement formula for an animal which includes fish meal as a source of omega 3 long chain fatty acids and which is greater than 5% of the total dietary intake of the animal wherein the supplement includes the following constituents:

- i) a foods base including fishmeal;
- ii) a vitamin premix; and
- iii) a mineral premix.

76. (Withdrawn) A supplement formula according to claim 75 wherein ingredient i) is a supplement base and ingredients ii)-iii) are nutritional additives.

77. (Withdrawn) A supplement according to claim 76 wherein the constituents are blended in the following proportions;

	<u>kg</u>	<u>%</u>
PORCOMEGA* BASE SP	987.50	97.080
VITAMIN PREMIX PV 006	2.50	0.250

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MINERAL PREMIX PM 006	<u>10.00</u>	<u>1.000</u>
	<u>1000.00</u>	<u>100.000</u>

78. (Withdrawn) A supplement formula according to claim 77 wherein the vitamin premix is prepared according to the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/Gm</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
VITAMIN A-500	500,000 IU	26.80 gm	13,400,000 IU.
VITAMIN D3-500	500,000 IU	5.36 gm	2,680,000 IU.
VITAMIN E-50%	500 IU	53.60 gm	26,800 IU.
VITAMIN K3	1000 mg	2.68 gm	2.68 gm
THIAMINE	892 mg	3.00 gm	2.68 gm
HYDROCHLORIDE USP			
RIBOFLAVIN 95% F.G.	950 mg	5.64 gm	5.36 gm
PYRIDOXINE USP	823 mg	4.88 gm	2.68 gm
VITAMIN B12-	10 mg	1.34 gm	13.40 mg
SUPPLEMENT 1%			
NIACIN USP	990 mg	18.95 gm	18.76 gm
CALCIUM d-PANTOTHENATE	920 mg	20.39 gm	18.76 gm
USP			
FOLIC ACID USP	920 mg	1.46 gm	1.34 gm
D-BIOTIN-SUPPLEMENT 1%	10 mg	13.40 gm	134.00 mg
VANILLIC CRYSTALS	1000 mg	4.02 gm	4.02 gm
WHEAT MEAL (CARRIER)	1000 mg	<u>0.40 gm</u>	
		<u>1000.00 gm</u>	

79. (Withdrawn) A supplement formula according to claim 78 wherein the supplement base and complete feed vitamin addition are blended to provide the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
VITAMIN A-500	33,500,000 IU	5,025 IU
VITAMIN D3-500	6,700,000 IU	1,005 IU
VITAMIN E-50%	67,000 IU	10.05 IU

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VITAMIN K3	6.70 gm	1.01 mg
THIAMINE HYDROCHLORIDE USP	6.70 gm	1.01 mg
RIBOFLAVIN 95% F.G.	13.40 gm	2.01 mg
PYRIDOXINE USP	6.70 gm	1.01 mg
VITAMIN B12-SUPPLEMENT 1%	33.50 mg	5.03 mcg
NIACIN USP	46.90 gm	7.04 mg
CALCIUM d-PANTOTHENATE USP	46.90 gm	7.04 mg
FOLIC ACID USP	3.35 gm	0.50 mg
D-BIOTIN SUPPLEMENT 1%	335.00 mg	50.00 mcg
VANILLIC CRYSTALS	10.05 gm	1.51 mg

80. (Withdrawn) A supplement formula according to claim 79 wherein the mineral premix is prepared according the the following composition:

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>POTENCY/GM</u>	<u>FORMULA</u>	<u>ACTIVE</u> <u>/Kg PREMIX</u>
FERROUS SULPHATE (Fe SO ₄ .H ₂ O)	310.0 mg	216.125 gm	67.000 gm
ZINC SULPHATE	360.0 mg	186.110 gm	67.000 gm
MANGANESE SULPHATE (Mn SO ₄ .H ₂ O)	280.0 mg	95.715 gm	26.800 gm
POTASSIUM IODIDE(STAB)	68.8 mg	0.488 gm	0.335 gm
COBALT CARBONATE	460.0 mg	0.728 gm	0.335 gm
COPPER SULPHATE	250.0 mg	13.400 gm	3.350 gm
SODIUM SELENITE	400.0 mg	0.251 gm	0.101 gm
LIMESTONE CARRIER	1000.0 mg	<u>165.330 gm</u> <u>1000.000 gm</u>	165.330 gm

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81. (Withdrawn) A supplement formula according to claim 80 wherein the supplement food base and complete feed mineral addition are blended to provide the following composition;

<u>COMPOSITION</u> <u>INGREDIENT</u>	<u>ACTIVE</u> <u>/Tonne PORCOMEGA*</u>	<u>ACTIVE</u> <u>/Kg COMPLETE FEED</u>
FERROUS SULPHATE-Fe (Fe SO ₄ .H ₂ O)	670.00 gm	100.500 mg
ZINC SULPHATE-Zn	670.00 gm	100.500 mg
MANGANESE SULPHATE-Mn (Mn SO ₄ .H ₂ O)	268.00 gm	40.200 mg
POTASSIUM IODIDE (STAB)-I	3.35 gm	0.502 mg
COBALT CARBONATE-Co	3.35 gm	0.502 mg
COPPER SULPHATE-Cu	33.50 gm	5.025 mg
SODIUM SELENITE-Se	1.01 gm	0.151 mg

82. (Withdrawn) A supplement formula according to claim 81 wherein the formula is fed to pigs as a finishing supplement.

83. (NEW) An animal feed supplement for feeding to animals to maximise the level of long chain omega 3 fatty acids in an animal produce and without taint of the produce,

wherein the feed supplement comprises a blend of tuna meal, an oil based premix, and a dry premix blended in the following proportions:

	kg	%
Tuna Meal	985.00	98.500
Oil based premix	10.00	1.000
Dry mix Premix	5.00	0.500
	-----	-----
	1000.00	100.000
	-----	-----

84. (NEW) An animal feed supplement according to claim 83, wherein the tuna meal comprises 8-20% of the total dietary intake of the animal.

85. (NEW) An animal feed supplement according to claim 5, wherein the fish meal comprises 5-20% of the total dietary intake of the animal.

86. (NEW) An animal feed supplement according to claim 5, wherein the fish meal comprises 8-20% of the total dietary intake of the animal.

87. (NEW) An animal feed supplement according to claim 5, wherein the feed supplement comprises an additional ingredient selected from the group consisting of ethoxyquin, benzoic acid, phosphoric acid, and propyl gallate.

88. (NEW) An animal feed supplement according to claim 7, wherein the fish meal comprises 8-20% of the total dietary intake of the animal.

89. (NEW) An animal feed supplement according to claim 18, wherein the tuna meal comprises 8-20% of the total dietary intake of the animal.

90. (NEW) An animal feed supplement according to claim 19, wherein the tuna meal comprises 8-20% of the total dietary intake of the animal.

91. (NEW) A method of feeding animals according to claim 22, further comprising the step of selecting additives for the supplement for forming a feed supplement appropriate to the stage of development of the animal to which the supplement is fed.

92. (NEW) A method of feeding animals according to claim 22, wherein the fish meal comprises 8-20% of the animal's total diet.

93. (NEW) A method of feeding according to claim 23, further comprising the step of selecting additives for the supplement for forming a feed supplement appropriate to the stage of development of the animal to which the supplement is fed.

94. (NEW) A method according to claim 29 wherein, the long chain fatty acids are Docosahexaenoic Acid, Docosapentaenoic acid, and Eicosapentaenoic acid.

95. (NEW) An animal feed supplement for inclusion in the diet of an animal comprising:

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fish meal;
an oil based premix;
a dry mix premix; and
a water-based green tea extract,
wherein the fish meal comprises 5-20% of the total dietary intake of the
animal, and
wherein food produce from the animal is free from taint and is selected
from the group consisting of pork, poultry meat, lamb, eggs, and beef.